

Substitute for Form 1449 A & B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/697,036
		Confirmation Number	8374
		Filing Date	October 31, 2003
		First Named Inventor	Hiroki NAKAJIMA
		Art Unit	1653
		Examiner Name	M. Monshipouri
Sheet 1 of 2	Attorney Docket Number	Q78242	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
MM		US 5,939,306		08/17/1999	Lisa Alex et al

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
MM		WO	98/44148		10/08/1998	Claude P. Selitrennikoff	In English

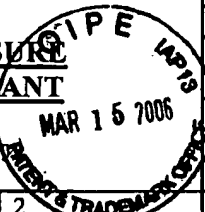
NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
MM		ALEX, Lisa et al., "Hyphal development in <i>Neurospora crassa</i> : Involvement of a two-component histidine kinase" Proc. Natl. Acad. Sci. USA (1996) 93:3416-3421	In English
MM		SCHUMACHER, Marc, et al., "The Osmotic-1 Locus of <i>Neurospora crassa</i> Encodes a Putative Histidine Kinase Similar to Osmosensors of Bacteria and Yeast, Current Microbiology (1997) 34:340-347	In English
MM		OSHIMA, Michiyo et al., "A Point Mutation in the Two-Component Histidine Kinase <i>BcOS-1</i> Gene Confers Dicarboximide Resistance in Field Isolates of <i>Botrytis cinerea</i> " Phytopathology (2002) 92:75-80	In English
MM		FUJIMURA, Makoto et al., "Sensitivity to Phenylpyrrole Fungicides and Abnormal Glycerol Accumulation in <i>Os</i> and <i>Cut</i> Mutant Strains of <i>Neurospora crassa</i> " J. Pesticide Sci (2000) 25:31-36	In English
MM		FUJIMURA, Makoto et al., "Fungicide Resistance and Osmotic Stress Sensitivity in <i>os</i> Mutants of <i>Neurospora crassa</i> " Pesticide Biochem. Physiol. (2000) 67:125-133	In English
MM		MAEDA, Tatsuya et al., "A two-component system that regulates an osmosensing MAP kinase cascade in yeast, Nature (1994) 369:242-245	In English
MM		AOYAMA, Keisuke et al., "Genetic Analysis of the His-to-Asp Phosphorelay Implicated in Mitotic Cell Cycle Control: Involvement of Histidine-Kinase Genes of <i>Schizosaccharomyces pombe</i> " Biosci. Biotechnol. Biochem. (2001) 65:2347-2352	In English
MM		YAMADA, Hisami et al., "The Arabidopsis AHK4 Histidine Kinase is a Cytokinin-Binding Receptor that Transduces Cytokinin Signals Across the Membrane," Plant Cell Physiol. (2001) 42:107-113	In English
MM		FREEMAN, Jeremy et al., A genetic analysis of the functions of LuxN: a two-component hybrid sensor kinase that regulates quorum sensing in <i>Vibrio harveyi</i> " Mol. Microbiol. (2000) 35:139-149	In English
MM		INOUE, Tsutomu et al., Identification of CRE1 as a cytokinin receptor from <i>Arabidopsis</i> " Nature (2001) 409:1060-1063	In English
MM		SRIKANTHA, Thyagarajan et al., "The two-component hybrid kinase regulator <i>CaNIK1</i> of <i>Candida albicans</i> ," Microbiology (1998) 144:2715-2729	In English
MM		NAGAHASHI, Shigehisa et al., "Isolation of <i>CaSLN1</i> and <i>CaNIK1</i> , the genes for osmosensing histidine kinase homologues, from the pathogenic fungus <i>Candida albicans</i> ," Microbiology (1998) 144:425-432	In English
MM		OCHIAI, Noriyuki et al., "Characterization of mutation in the two-component histidine kinase gene that confer fludioxonil resistance and osmotic sensitivity in the <i>os-1</i> mutants of <i>Neurospora crassa</i> , Pest Management Sci., (2001) 57:437-442	In English
MM		MILLER, Tamara et al., "Molecular Dissection of Alleles of the <i>osmotic-1</i> Locus of <i>Neurospora crassa</i> , Fungl Gen. Biol. (2002) 35:147-155	In English

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/697,036	
			Confirmation Number	8374	
			Filing Date	October 31, 2003	
			First Named Inventor	Hiroki NAKAJIMA	
			Art Unit	1653	
			Examiner Name	M. Monshipouri	
			Attorney Docket Number	Q78242	
Sheet	2	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
MM		GenBank Accession U50263, 10/2005	In English
MM		GenBank Accession U53189, 8/2001	In English
MM		GenBank Accession AAB03698, 10/2005	In English
MM		GenBank Accession AAB01979, 8/2001	In English
MM		GenBank Accession AF396827, 12/2005	In English
MM		GenBank Accession AF435964, 11/2001	In English
MM		GenBank Accession AAL37947, 12/2005	In English
MM		GenBank Accession AAL30826, 11/2001	In English
MM		GenBank Accession AB041647, 2/2005	In English
MM		GenBank Accession BAB40947, 8/2005	In English
MM		CUI, Wei et al, "An osmosensing histidine kinase mediates dicarboximide fungicide resistance in <i>Botryotinia fuckeliana</i> (<i>Botrytis cinerea</i>), Fung. Gen. Biol (2002) 36:187-198	In English.
MM		ZHANG, Yan et al, "Osmoregulation and Fungicide Resistance: the <i>Neurospora crassa</i> os-2 Gene Encodes a <i>HOG1</i> Mitogen-Activated Protein Kinase Homologue, Appl. Environ. Microbial (2002 68:532-538	In English
MM		URAO, Takeshi et al, "A Transmembrane Hybrid-Type Histidine Kinase in Arabidopsis Functions as an Osmosensor," The Plant Cell, (1999) 11:1743:1754	In English
MM		Gen Ban Accession U61838, 1/1999	In English
MM		GenBank Accession U59310, 6/1999	In English
MM		SONG, Hyun Kyu, "Insights into Eukaryotic Multistep Phosphorelay Signal Transduction Revealed by the Crystal Structure of Ypd1p from <i>Saccharomyces cerevisiae</i> , J. Mol. Biol. (1999) 293, 753-761	In English

Examiner Signature	/Maryam Monshipouri/	Date Considered	10/03/2006
--------------------	----------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.